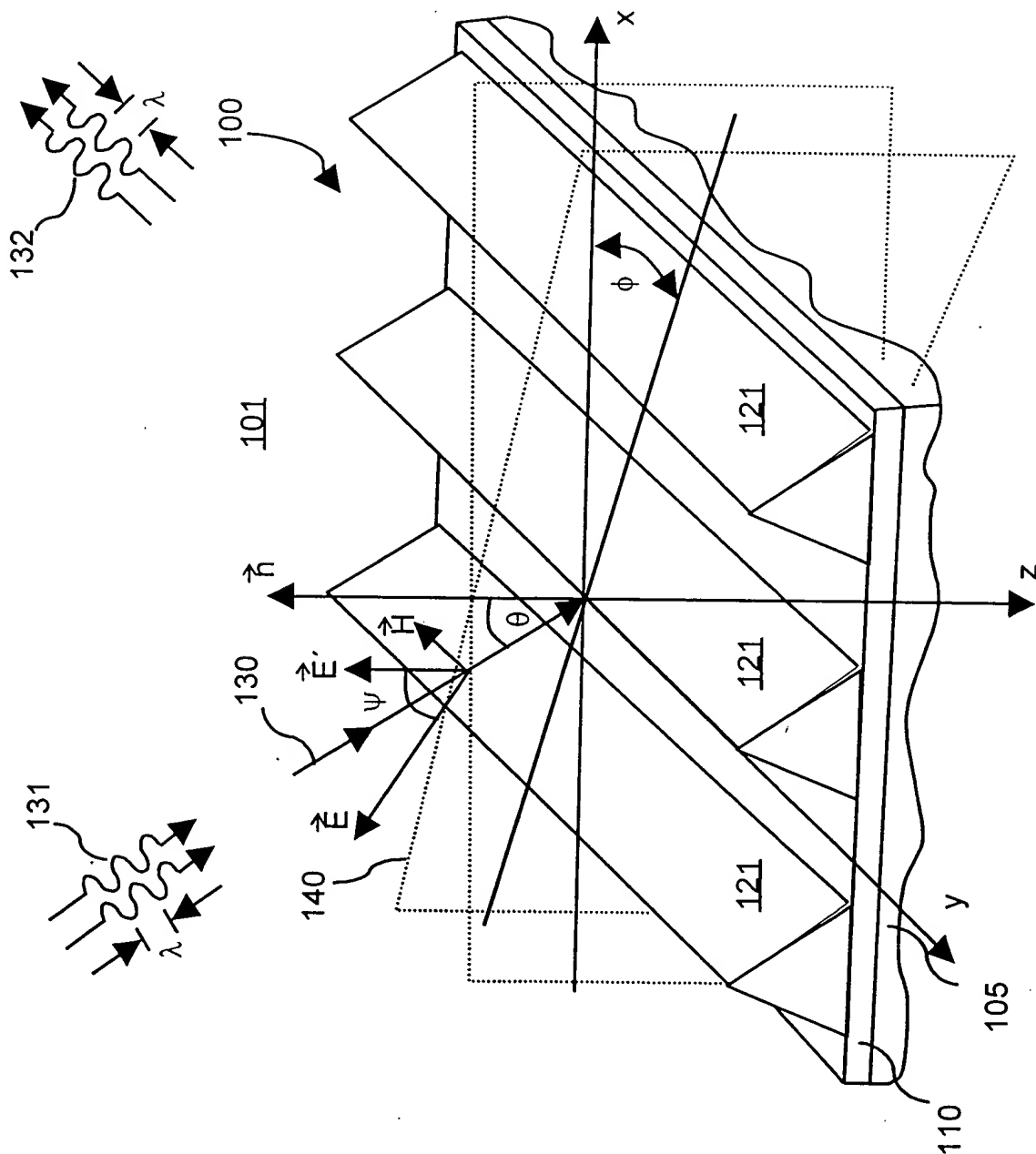


Sheet 1 of 13

**Fig. 1**

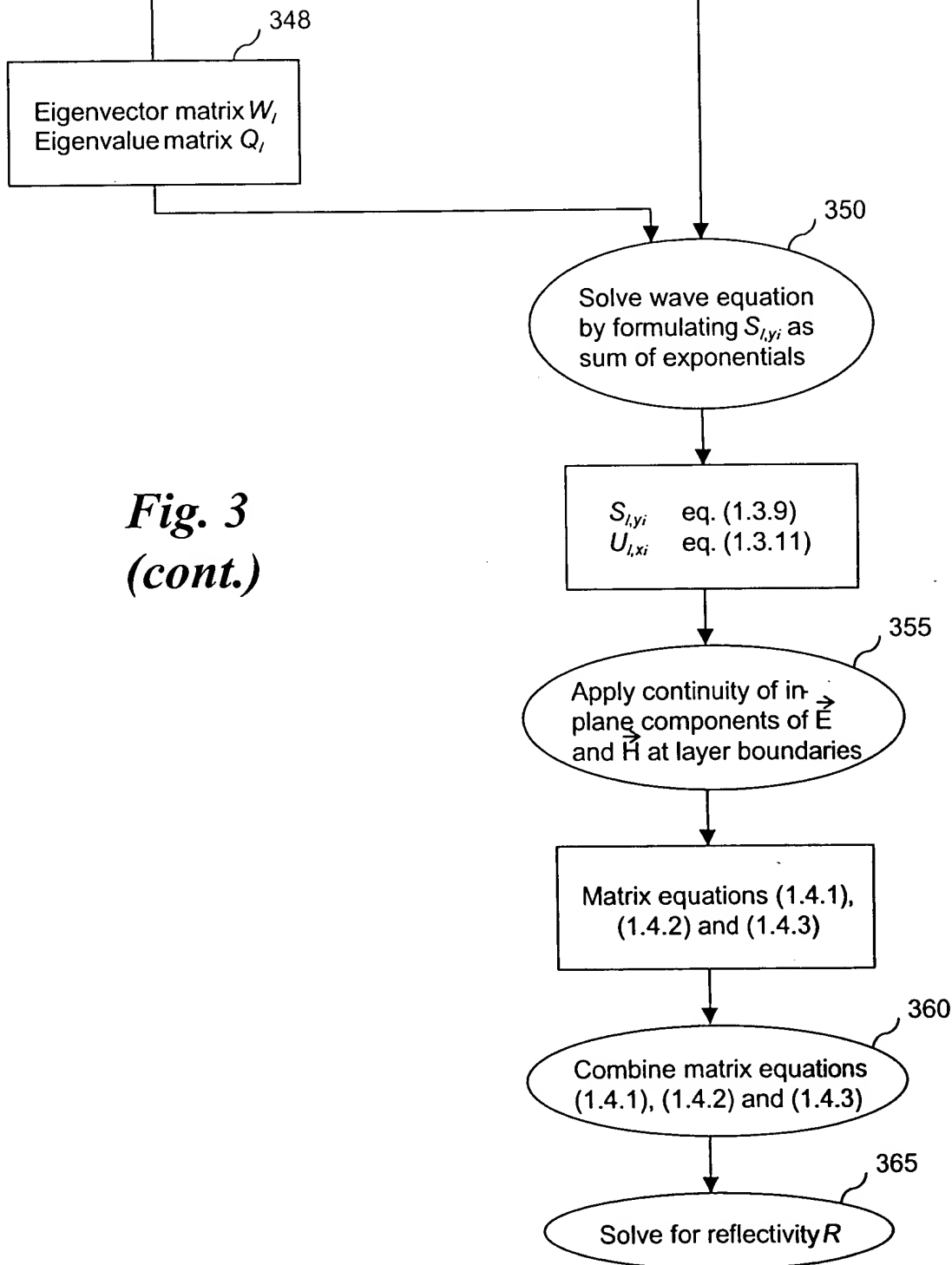




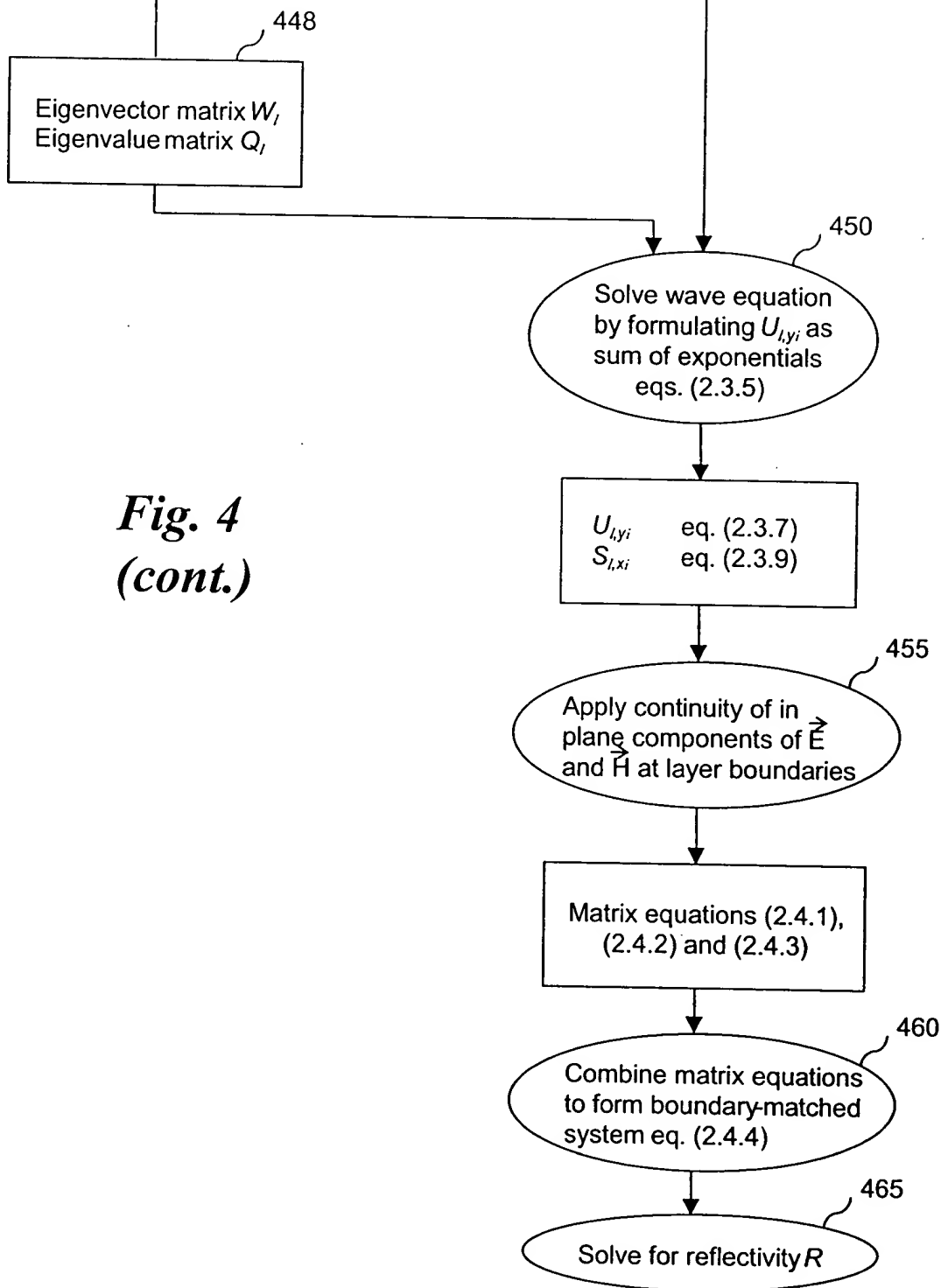
REPLACEMENT SHEET

Title: CACHING OF INTRA-LAYER CALCULATIONS FOR  
RAPID RIGOROUS et al.  
Inventor: Xinhui NIU et al.  
Application No.: 09/770,997  
Docket No.: 509982000100

Sheet 4 of 13



**Fig. 3**  
**(cont.)**

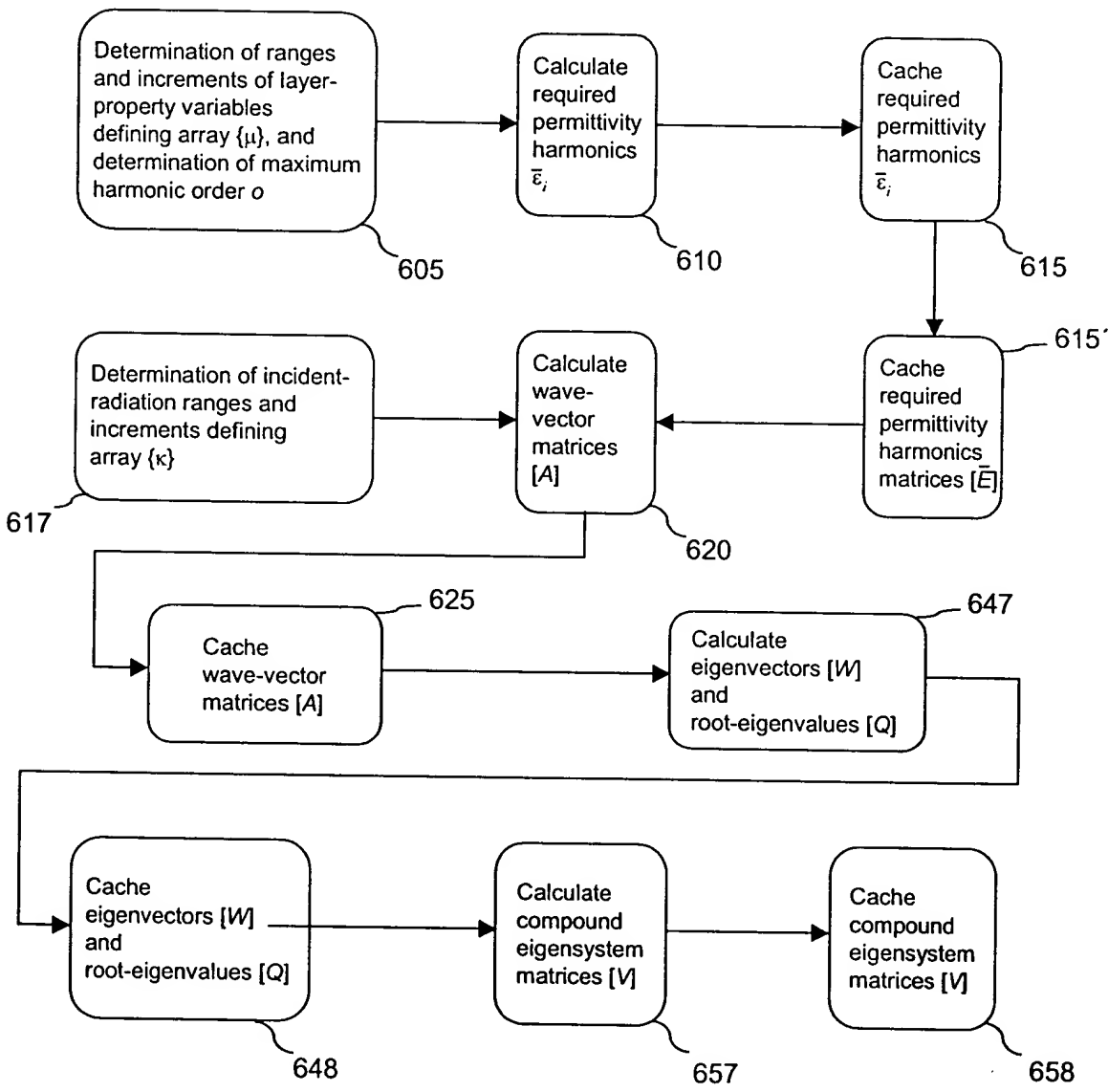


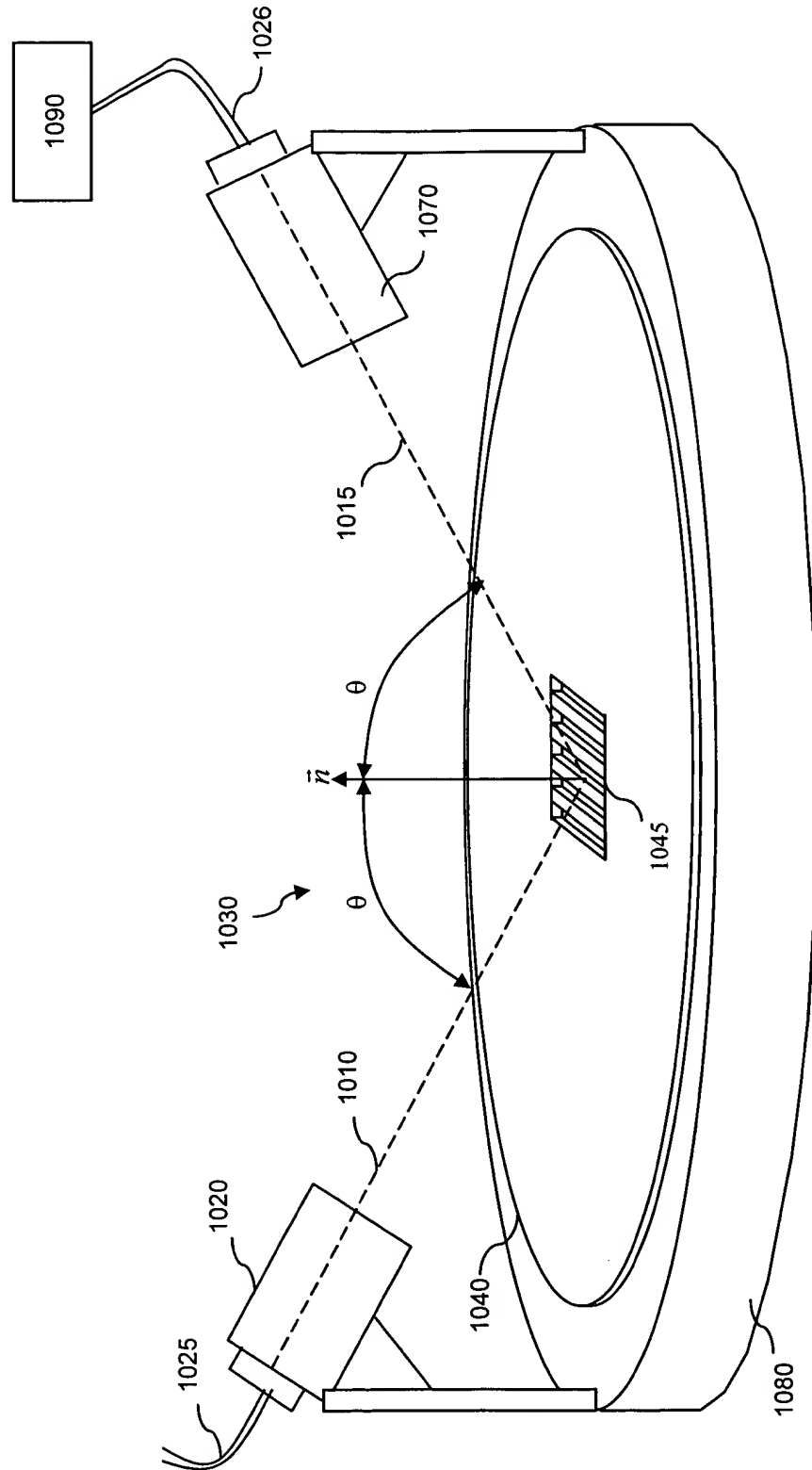
**Fig. 4**  
**(cont.)**

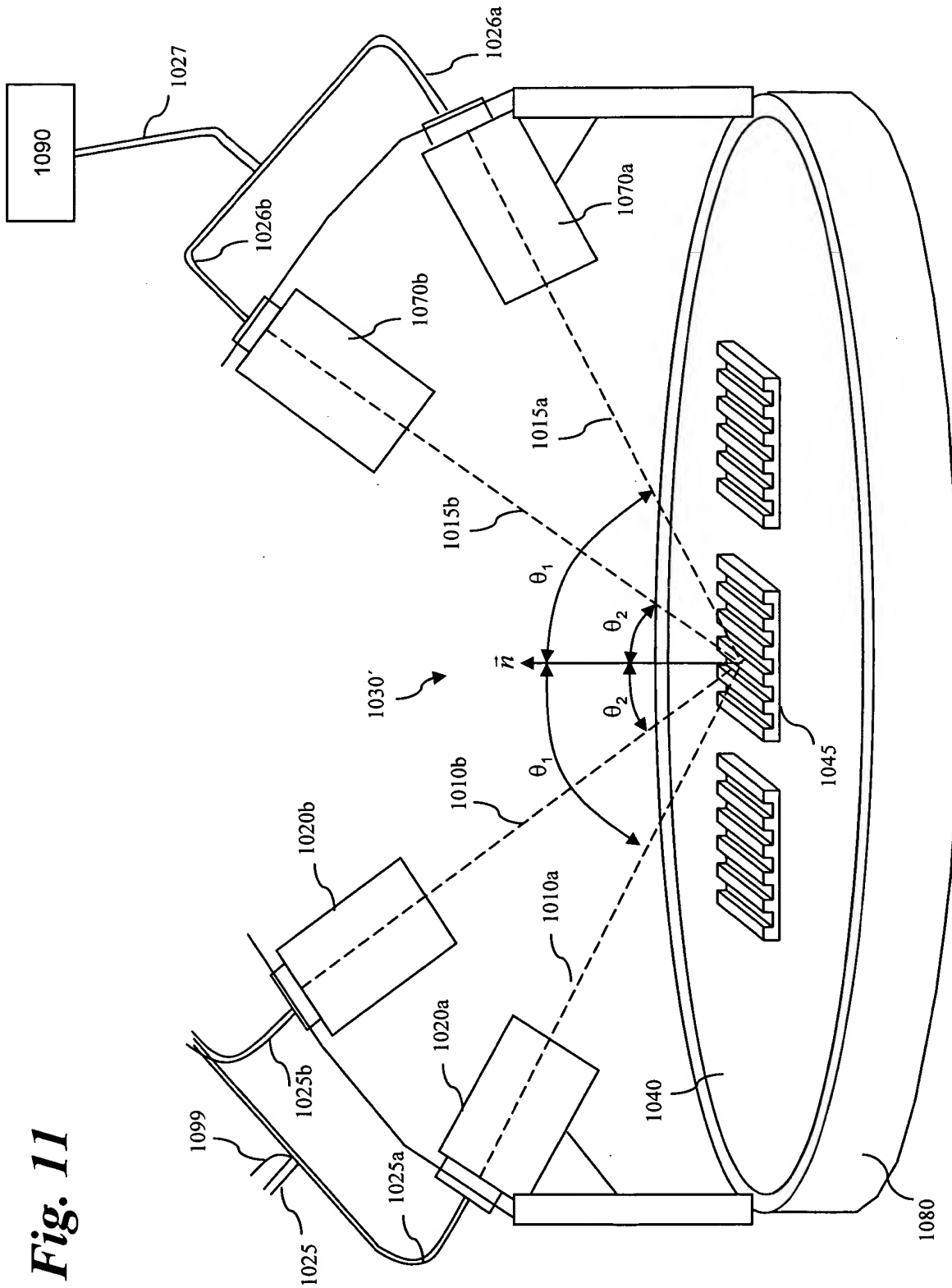




Fig. 5







**Fig. 11**